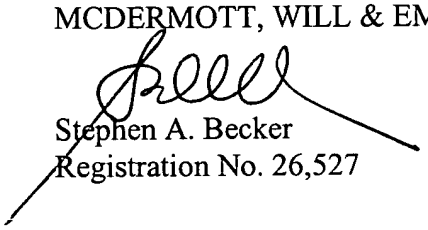
REMARKS

Claims 21 and 38 are amended to express that the position calculating or determining step is computer implemented. This amendment is made only for the purpose of addressing a Restriction Requirement by presenting claims Groups in commonly examinable form, and not to limit claims scope for any reason related to patentability. Clean versions of the amended claims are appended hereto.

Respectfully submitted,

MCDERMOTT, WILL & EMERY



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Clean Version of Amended Claims

21. (Amended) A method for calibrating a machine measuring system that has a first measuring device and a second measuring device, the method comprising the steps of:

mounting a first calibration target in a predetermined relationship to the first measuring device of the machine measuring system;

mounting a third measuring device in a predetermined relationship to the second measuring device of the machine measuring system; and

using a computer, calculating a relative measuring-device position value of the machine measuring system representing the position of the first measuring device relative to the second measuring device based on a position of the first calibration target relative to the third measuring device.

38. (Amended) A method for measuring the relative positions of a plurality of devices, the method comprising the steps of:

for a position of a first device of the plurality of devices relative to a second device of the plurality of devices,

mounting near the first device a calibration device in which the position of the calibration device relative to the first device is predetermined;

mounting near the second device a calibration target in which the position of the calibration target relative to the second device is predetermined;

measuring the position of the calibration device relative to the calibration target; and

using a computer, determining the position of the first device relative to the second device based on:

the position of the calibration device relative to the first device;

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the position of the calibration target relative to the second device; and

the position of the calibration relative device to the calibration target.